

Anti-Mouse IL-2 PE

Catalogue Number : 86412-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: JES6-5H4

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

Brightness (1=dim,5=brightest): 5

Isotype: Rat IgG2b, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The JES6-5H4 antibody specifically binds to mouse IL-2, a 17 kDa immunoregulatory cytokine and growth factor for T and B lymphocytes, NK cells, monocytes, and macrophages. IL-2 induces the cytotoxic operations of NK cells, activates B cells, and plays a role in the differentiation of T cells.

JES6-5H4 seems to have a neutralizing effect on interleukin-2.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.

The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. For flow cytometric staining, the suggested use of this reagent is ≤0.06 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

- 1.Sander, B., Höidén, I., Andersson, U., Möller, E., ; Abrams, J. S. (1993). Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen: Cytokine detection by immunoassay and intracellular immunostaining. *Journal of immunological methods*, 166(2), 201-214.
2. Abrams, J. S., Roncarolo, M. G., Yssel, H., Andersson, U., Gleich, G. J., ; Silver, J. E. (1992). Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples.;*Immunological reviews*;;127(1), 5-24.
3. Abrams, J. S. (1995).;Immunoenzymetric assay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies;(pp. 6-20). John Wiley ; Sons, Inc..